

AGENDA for BETA07 Workshop “Black Holes and Strong Gravity”
July 23 – July 27 @ NASA Goddard Space Flight Center

(All sessions to be held in Building 2, Room 8 unless noted otherwise)

Date	Morning sessions (9am-12noon)	Afternoon sessions (1pm-4pm)
July 23	<ul style="list-style-type: none"> • Welcome and Introductions (Anita Krishnamurthi, Beyond Einstein Education/Outreach Lead, University of Maryland/GSFC) • Welcome (Nicholas White, Director, Astrophysics Science Division, GSFC) • Introduction to the Beyond Einstein Program (Michael Salamon, Beyond Einstein Program Scientist, NASA Headquarters) • Overview of Black Holes (Kim Weaver, Associate Director for Science, Astrophysics Science Division, GSFC) 	<ul style="list-style-type: none"> • Evidence for the Existence of Stellar Mass Black Holes (Randall Smith, Research Scientist, Johns Hopkins University/GSFC) • Technology Development for the Beyond Einstein Program (Louis Barbier, Beyond Einstein Theme Technologist, GSFC) • Reflection on day’s content
July 24	<ul style="list-style-type: none"> • Q&A/Discussion • Binary Black Holes and Gravitational Waves (Joan Centrella, Chief, Gravitational Astrophysics Laboratory, GSFC) 	<ul style="list-style-type: none"> • Intermediate Mass Black Holes (Cole Miller, Associate Professor, Dept. of Astronomy, University of Maryland) • Reflection on day’s content
July 25	<ul style="list-style-type: none"> • Q&A/Discussion • Astrophysics of Supermassive Black Holes (Chris Reynolds, Associate Professor, Dept. of Astronomy, University of Maryland) 	<ul style="list-style-type: none"> • Gamma Ray Bursts: Powerful Explosions from Clear Across the Universe (Patricia Boyd, Swift Science Center Lead, GSFC) • Reflection on day’s content

Date	Morning sessions (9am-12noon)	Afternoon sessions (1pm-4pm)
July 26	<ul style="list-style-type: none"> • Q&A/Discussion • Using Research on How Students Learn Astronomy to Improve Teaching (Tim Slater, Associate Professor of Astronomy, University of Arizona) 	<p>[This afternoon session will be held in a different location **Building 21, Room 183**]</p> <ul style="list-style-type: none"> • Luncheon Reception [12 Noon – 1:00 PM] • Education and Public Outreach Opportunities at NASA's Science Mission Directorate (Doris Daou, Program Planning Specialist, Science Mission Directorate, NASA Headquarters) • GSFC education <ul style="list-style-type: none"> ○ Overview (Robert Gabrys, Chief Education Officer, GSFC) ○ High school internship opportunities at GSFC (Bonnie McClain, Director, Career Experience Programs, GSFC Education Programs Office) • Tour of GSFC [3:00 – 4:00 PM]
July 27	<ul style="list-style-type: none"> • Strategies for Engaging Students' Thinking in Beyond Einstein Science (Tim Slater, Associate Professor of Astronomy, University of Arizona) 	<ul style="list-style-type: none"> • The GSFC Visitors Center and the Educator Resource Center (Carmel Conaty, Manager, Goddard Visitor's Center and Brittany Hamolia, Educator Resource Center Coordinator) [Location: GSFC Visitor's Center] • Wrap-up discussion